

RADIO FIX AND HOLDING DATA RECORD

NAME: CHATHAM NDB

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 404426.81N/0742547.59W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	CHATHAM	CAT	NDB	MH							17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NE	CAT	NDB	064.00	244.00	R	1-1 1/2	2000 14500	4 12
2	SW	CAT	NDB	215.00	035.00	L	1	2000 8000	4 8
3	SW		WP	217.00	037.00	L	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	404624.00N/0743051.00W	985	4E
2	200	AAO	404624.00N/0743051.00W	985	4E
3	200	AAO	404624.00N/0743051.00W	985	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 TRAFFIC SEPARATION FOR TRAFFIC LANDING MORRISTOWN RWY 23

REMARKS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 22		2	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 22		3	KCDW	CALDWELL	NJ (US)
IAP	ILS OR LOC RWY 23		2	KMMU	MORRISTOWN	NJ (US)
IAP	VOR RWY 24		2	KTEB	TETERBORO	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 03/31/2016

REASON FOR REVISION:

ADDED KCDW LOC RWY 22 TO FIX USE.
 UPDATED HOLDING PATTERN 1-3 CONTROLLING OBSTRUCTION FROM 200' AAO TO AAO.
 UPDATED HOLDING PATTERN 1-3 CONTROLLING OBSTRUCTION COORDINATES FROM 404625.00N/0743053.00W TO 404624.00N/0743051.00W.

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5412

NAME: MIKE MELSSEN

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410
JULIE A MORGAN

NAME: MARLON ROBINSON

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: NY TRACON
 OTHER: MMU ATCT, TEB ATCT

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOWDY

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 410047.10N/0741038.09W

TYPE: WP, INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	CALDWELL	I-CDW	LOC		042.62	029.62		10.09		2400	4600
2	TETERBORO	TEB	VOR/DME	T	343.08	332.08		11.16		2400	4600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX NAME RETAINED PER ATC REQUEST.
FIX LOCATION PER AIR TRAFFIC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 22	1, 2		KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 22			KCDW	CALDWELL	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/20/2015

REASON FOR REVISION:

WAYPOINT ADDED TO FIX TYPE.
UPDATED TRUE BEARING AND DISTANCE FROM FAC (NM) FOR BOTH FIX MAKE-UP FACILITIES.
ADDED RNAV (GPS) RWY 22 TO FIX USE.
FIX MOVED 2.09 NM SOUTHWEST.

DEVELOPED BY:

DATE: 03/10/2015

OFFICE: AJV-352

NAME: MIKE MELSSEN

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-352

NAME: ADOLFO URRUTIA

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON, KCDW ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FAAIR

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 405722.53N/0741311.90W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	CALDWELL	I-CDW	LOC		042.62	029.62		6.17	37462	2000	4600
2	TETERBORO	TEB	VOR/DME	T	322.99	311.99		9.65		2000	4600
3	SPARTA	SAX	VORTAC	H	125.67	114.67	15.93	15.93		2000	4500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

SPARTA (FAC 3) AND CALDWELL (FAC 1) AND TETERBORO (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 22	1, 2		KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 22			KCDW	CALDWELL	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/20/2015

REASON FOR REVISION:

FIX MOVED 416 FEET NORTHEAST.
REMOVED HOLDING PATTERN AND ALL ASSOCIATED NOTES.
CHANGED FIX MAKE-UP FACILITIES BEARING AND DISTANCE.
ADDED RNAV (GPS) RWY 22 TO FIX USE.
ADDED SPARTA (FAC 3) AND CALDWELL (FAC 1) AND TETERBORO (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.
ADDED WAYPOINT TO FIX TYPE.

DEVELOPED BY:

DATE: 03/09/2015

OFFICE: AJV-352

NAME: MIKE MELSEN

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-352

NAME: ADOLFO URRUTIA

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: CDW ATCT
OTHER: MIV FSS

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KOLLI

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 405447.13N/0741508.53W

TYPE: WP, INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	CALDWELL	I-CDW	LOC		042.62	029.62		3.19		900	4600
2	TETERBORO	TEB	VOR/DME	T	305.10	294.10		9.47		900	4600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC RWY 22	1, 2		KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 22			KCDW	CALDWELL	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/20/2015

REASON FOR REVISION:

MOVED FIX 473' NORTHEAST.
ADDED RNAV (GPS) RWY 22 TO FIX USE.
ADDED WP TO FIX TYPE.
UPDATED MRA FROM 860 TO 900 IN FIX MAKE-UP.

DEVELOPED BY:

DATE: 03/10/2015

OFFICE: AJV-352

NAME: MIKE MELSSEN

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-352

NAME: ADOLFO URRUTIA

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: CDW ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LADYE

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 410528.14N/0741521.79W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

REMARKS:

FIX LOCATION PER AIR TRAFFIC.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

LOC RWY 22

KCDW

CALDWELL

NJ (US)

IAP

RNAV (GPS) RWY 22

KCDW

CALDWELL

NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/20/2015

DEVELOPED BY:

DATE: 03/10/2015

OFFICE: AJV-352

NAME: MIKE MELSSEN

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-352

NAME: ADOLFO URRUTIA

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZNY

ATC FACILITY: NY TRACON, KCDW ATCT

OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SOLBERG VOR/DME

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 403458.96N/0744430.46W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	SOLBERG	SBJ	VOR/DME	L						17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	SBJ	VOR/DME	195.85	015.85	R	1		2200	6000	4	5
2	SW	SBJ	VOR/DME	241.01	061.01	R	1		2200	6000	4	5
3	NW	SBJ	VOR/DME	308.12	128.12	L	1		2500	6000	4	5
4	N	SBJ	VOR/DME	351.00	171.00	R	1		2200	6000	4	5
5	S		WP	198.88	018.88	R		4	2500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403648.00N/0744751.00W	1057	4E
1	310	AAO	404124.96N/0744808.96W	1159	2C
2	200	AAO	403554.00N/0744527.00W	1109	4E
3	200	AAO	404154.00N/0745100.00W	1214	4E
4	200	AAO	404154.00N/0745100.00W	1214	4E
5	200	AAO	403646.84N/0744751.42W	1039	2C
5	310	AAO	404124.96N/0744808.96W	1159	2C

REASON FOR NONSTANDARD HOLDING:

PAT 3 PHL APP CON AIRSPACE BOUNDARY

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR RWY 04	KN51	READINGTON	NJ (US)
5	RNAV (GPS) RWY 12	KSMQ	SOMERVILLE	NJ (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART			KSWF	NEWBURGH	NY (US)
DP	DUTCHESS			KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J75					(US)
EN ROUTE	V232					(US)
EN ROUTE	V249					(US)
EN ROUTE	V3-V405-V419					(US)
EN ROUTE	V3-V419					(US)
EN ROUTE	V30-V405					(US)
EN ROUTE	V403					(US)
EN ROUTE	V6					(US)
IAP	LOC RWY 22		2	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 04			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 25			K47N	MANVILLE	NJ (US)
IAP	VOR-A		3	K47N	MANVILLE	NJ (US)
IAP	RNAV (GPS) RWY 05			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (RNP) Y RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	ILS OR LOC RWY 04L			KEWR	NEWARK	NJ (US)
IAP	ILS OR LOC RWY 22L			KEWR	NEWARK	NJ (US)

QUALITY
24
CHECKED

IAP	ILS RWY 04L (SA CAT I)	KEWR	NEWARK	NJ (US)
IAP	ILS RWY 04L (SA CAT II)	KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L (CAT II)	KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L (CAT III)	KEWR	NEWARK	NJ (US)
IAP	ILS RWY 22L (SA CAT I)	KEWR	NEWARK	NJ (US)
IAP	VOR-C	KN40	PITTSBOWN	NJ (US)
IAP	RNAV (GPS)-A	KN85	PITTSBOWN	NJ (US)
IAP	RNAV (GPS)-B	KN85	PITTSBOWN	NJ (US)
IAP	VOR/DME RWY 8	KN85	PITTSBOWN	NJ (US)
IAP	RNAV (GPS) RWY 10	K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	VOR-A	4 K39N	PRINCETON/ROCKY HILL	NJ (US)
IAP	VOR RWY 04	1 KN51	READINGTON	NJ (US)
IAP	RNAV (GPS) RWY 12	5 KSMQ	SOMERVILLE	NJ (US)
IAP	VOR RWY 08	2 KSMQ	SOMERVILLE	NJ (US)
IAP	ILS RWY 06	KTEB	TETERBORO	NJ (US)
IAP	ILS RWY 19	KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) X RWY 6	KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) Y RWY 06	KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) RWY 19	KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) Z RWY 06	KTEB	TETERBORO	NJ (US)
IAP	VOR/DME RWY 06	KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) RWY 16	KTTN	TRENTON	NJ (US)
IAP	RNAV (GPS) RWY 34	KTTN	TRENTON	NJ (US)
IAP	VOR OR GPS RWY 13L/R	KJFK	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 06	KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 13	KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC/DME RWY 24	KABE	ALLENTOWN	PA (US)
IAP	RNAV (GPS) RWY 24	KABE	ALLENTOWN	PA (US)
IAP	VOR-A	KABE	ALLENTOWN	PA (US)
IAP	VOR/DME RWY 23	KDYL	DOYLESTOWN	PA (US)
IAP	RNAV (GPS)-A	KN43	EASTON	PA (US)
OTHER	ROUTE 80 VISUAL RWY 23	KMMU	MORRISTOWN	NJ (US)
	APPROACH			
STAR	JAIKE (RNAV)	KCDW	CALDWELL	NJ (US)
STAR	MAZIE (RNAV)	KCDW	CALDWELL	NJ (US)
STAR	JAIKE (RNAV)	KLDJ	LINDEN	NJ (US)
STAR	MAZIE (RNAV)	KLDJ	LINDEN	NJ (US)
STAR	JAIKE (RNAV)	K47N	MANVILLE	NJ (US)
STAR	MAZIE (RNAV)	K47N	MANVILLE	NJ (US)
STAR	JAIKE (RNAV)	KMMU	MORRISTOWN	NJ (US)
STAR	MAZIE (RNAV)	KMMU	MORRISTOWN	NJ (US)
STAR	DYLIN	KEWR	NEWARK	NJ (US)
STAR	JAIKE (RNAV)	KSMQ	SOMERVILLE	NJ (US)
STAR	MAZIE (RNAV)	KSMQ	SOMERVILLE	NJ (US)
STAR	JAIKE (RNAV)	KTEB	TETERBORO	NJ (US)
STAR	MAZIE (RNAV)	KTEB	TETERBORO	NJ (US)
STAR	GATBY	KLGA	NEW YORK	NY (US)
STAR	KORRY	KLGA	NEW YORK	NY (US)
STAR	MILTON	KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 03/31/2016

REASON FOR REVISION:

INCREASED HOLDING PATTERN 3 FROM 2100 TO 2200.

CHANGED PATTERN 3 CONTROLLING OBSTRUCTION FROM 1039 MSL AAO AT 403646.00N/0744750.00W, AC 2C, TO 1109 MSL AAO AT 403554.00N/0744527.00W, AC 4E.

CHANGED PATTERN 4 AND 5 CONTROLLING OBSTRUCTIONS FROM 1187 MSL AAO AT 404154.73N/0745058.85W, AC 2A, TO 1214 MSL AAO AT 404154.00N/0745100.00W, AC 4E.

ADDED KCDW LOC RWY 22 TO FIX USE.

REMOVED KN51 VOR-A FROM FIX USE.

REMOVED HOLDING PATTERN 1.

FIX USE UPDATED DUE TO VOR/NPA CANCELLATION PROGRAM.

DEVELOPED BY: **DATE:** 12/21/2015 **OFFICE:** AJV-5412

NAME: MIKE MELSSEN

APPROVED BY: **DATE:** *Digitally signed by* **OFFICE:** AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: *JULIE A MORGAN*
Feb 10, 2016

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZNY
 ATC FACILITY: NY TRACON, ABE APP CON
 OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPARTA VORTAC

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 410403.16N/0743217.93W

TYPE:

AIRSPACE DOCKET: 13-AEA-04

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SPARTA	SAX	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE	SAX	VORTAC	119.00	299.00	R	1-1 1/2	3000 17500	4 16
2	SE	SAX	VORTAC	155.00	335.00	R	1	3000 14000	4 10
3	SE	SAX	VORTAC	144.00	324.00	R	1	3000 8000	4 8
4	W	SAX	VORTAC	285.00	105.00	R	1 1/2	18000 41000	16 28
5	W	SAX	VORTAC	259.00	079.00	L	1	3000 8000	4 8
6	W		WP	259.00	079.00	L		3000 8000	5 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410842.00N/0743115.00W	1647	4E
2	200	AAO	410842.00N/0743115.00W	1647	4E
3	200	AAO	410842.00N/0743115.00W	1647	4E
4	265	AAO	410030.00N/0750330.00W	1818	4E
5	200	AAO	410842.00N/0743115.00W	1647	4E
6	200	AAO	410854.00N/0743051.00W	1683	4E

REASON FOR NONSTANDARD HOLDING:

PAT 5 ATC REQUEST.
PAT 6 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

HOLDING PATTERNS 1, 3 & 4 ATC USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	T/O MINS AND OBSTACLE DP			KFWN	SUSSEX	NJ (US)
DP	RUUDY			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	KINGSTON			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J6					(US)
EN ROUTE	J60					(US)
EN ROUTE	T218					(US)
EN ROUTE	V116					(US)
EN ROUTE	V188					(US)
EN ROUTE	V213					(US)
EN ROUTE	V249					(US)
EN ROUTE	V39					(US)
EN ROUTE	V623					(US)
IAP	RNAV (GPS) RWY 3			K12N	ANDOVER	NJ (US)
IAP	RNAV (GPS) RWY 25			K1N7	BLAIRSTOWN	NJ (US)
IAP	LOC RWY 22		5	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 04			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 1		6	KN07	LINCOLN PARK	NJ (US)
IAP	RNAV (GPS) RWY 19			KN07	LINCOLN PARK	NJ (US)
IAP	ILS OR LOC RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	ILS OR LOC RWY 4L			KEWR	NEWARK	NJ (US)

QUALITY
4
CHECKED

IAP	ILS RWY 4L (SA CAT I)		KEWR	NEWARK	NJ (US)
IAP	ILS RWY 4L (SA CAT II)		KEWR	NEWARK	NJ (US)
IAP	VOR RWY 11	3	KEWR	NEWARK	NJ (US)
IAP	RNAV (GPS) RWY 3	6	KFWN	SUSSEX	NJ (US)
IAP	VOR -A	2	KFWN	SUSSEX	NJ (US)
IAP	ILS OR LOC RWY 19		KTEB	TETERBORO	NJ (US)
IAP	VOR/DME-B		KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) RWY 8		K06N	MIDDLETOWN	NY (US)
IAP	ILS OR LOC RWY 3		KMGJ	MONTGOMERY	NY (US)
IAP	RNAV (GPS) RWY 3		KMGJ	MONTGOMERY	NY (US)
IAP	VOR RWY 8		KMGJ	MONTGOMERY	NY (US)
IAP	ILS OR LOC RWY 9		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (CAT II)		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (CAT III)		KSWF	NEWBURGH	NY (US)
IAP	ILS RWY 9 (SA CAT I)		KSWF	NEWBURGH	NY (US)
IAP	RNAV (GPS) RWY 34		KSWF	NEWBURGH	NY (US)
IAP	ILS OR LOC RWY 16	1	KHPN	WHITE PLAINS	NY (US)
IAP	ILS OR LOC RWY 34	1	KHPN	WHITE PLAINS	NY (US)
IAP	RNAV (GPS) Y RWY 16		KHPN	WHITE PLAINS	NY (US)
STAR	WILKES-BARRE		KCDW	CALDWELL	NJ (US)
STAR	WILKES-BARRE		KLDJ	LINDEN	NJ (US)
STAR	WILKES-BARRE		KMMU	MORRISTOWN	NJ (US)
STAR	FLOSI (RNAV)		KEWR	NEWARK	NJ (US)
STAR	SHAFF		KEWR	NEWARK	NJ (US)
STAR	WILKES-BARRE		K39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES-BARRE		KN51	READINGTON	NJ (US)
STAR	WILKES-BARRE		KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES-BARRE		KTEB	TETERBORO	NJ (US)
STAR	KINGSTON		KFRG	FARMINGDALE	NY (US)
STAR	KINGSTON		KJFK	NEW YORK	NY (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 08/20/2015

REASON FOR REVISION:

ADDED (RNAV) FOR TNNIS DP FIX USE.

REMOVED KCDW RNAV (GPS) RWY 22 AND KMMU RNAV (GPS) Z RWY 23 FROM FIX USE.

DEVELOPED BY: **DATE:** 03/05/2015 **OFFICE:** AJV-352 **NAME:** MIKE MELSSSEN

APPROVED BY: **DATE:** *Digitally signed by* **OFFICE:** AJV-352 **NAME:** ADOLFO URRUTIA

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZNY
ATC FACILITY: NYC APP CON
OTHER: MMU ATCT, CDW ATCT

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WELDD

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 410636.51N/0742034.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

REMARKS:

FIX LOCATION PER AIR TRAFFIC.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

LOC RWY 22

KCDW

CALDWELL

NJ (US)

IAP

RNAV (GPS) RWY 22

KCDW

CALDWELL

NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/20/2015

DEVELOPED BY:

DATE: 03/10/2015

OFFICE: AJV-352

NAME: MIKE MELSEN

APPROVED BY:

DATE: Digitally signed by

OFFICE: AJV-352

NAME: ADOLFO URRUTIA

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZNY

ATC FACILITY: NY TRACON, KCDW ATCT.

OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YOVUN

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 404159.32N/0742442.11W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	SPARTA	SAX	VORTAC	H	176.31	165.31	22.79	22.79	2000	5000
2	BROADWAY	BWZ	VOR/DME	L	118.41	107.41		19.62	2000	5000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW		WP	222.53	042.53	R		4	2000	5000	4	6
2	S	SAX	VORTAC	176.31	356.31	L	1		2000	5000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000182)	403717.00N/0743014.00W	949	5E
2	200	AAO	403809.00N/0742830.00W	824	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 AVOID NEWARK AIRSPACE.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SPARTA (FAC 1) AND BROADWAY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 04		1	KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 22		1	KCDW	CALDWELL	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/31/2016

REASON FOR REVISION:

ADDED SPARTA (FAC 1) AND BROADWAY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHANGED MINIMUM HOLDING TEMPLATES FROM 5 TO 4 FOR BOTH PATTERNS.
UPDATED HOLDING PATTERN 1 OBSTACLE EVALUATION.
UPDATED HOLDING PATTERN 2 CONTROLLING OBSTACLE.
CHANGED HOLDING INBOUND COURSE AT SAX VORTAC FROM 358.00 TO 356.31.

1/25/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/21/2015.

1. REMOVED CALDWELL (I-CDW) FROM FIX MAKE-UP (NAVIGATING ALONG BACK COURSE FAILED FLIGHT CHECK).
2. REMOVED LOC RWY 22 FROM FIX USE.

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5412

NAME: MIKE MELSSEN

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NYC APP CON, KCDW ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEZEE

STATE: NJ

COUNTRY: US

LATITUDE/LONGITUDE: 410744.64N/0742548.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

REMARKS:

ATC PROVIDED FIX LOCATION.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP
IAP

LOC RWY 22
RNAV (GPS) RWY 22

KCDW
KCDW

CALDWELL
CALDWELL

NJ (US)
NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/20/2015

DEVELOPED BY:

DATE: 03/10/2015

OFFICE: AJV-352

NAME: MIKE MELSSEN

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-352

NAME: ADOLFO URRUTIA

SIGNATURE: Feb 10, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON, KCDW ATCT.
OTHER:

QUALITY
4
CHECKED